ANIRBAN SAHA

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As a passionate B.Tech CSE undergraduate with a strong foundation in full-stack development and problem-solving, I am seeking opportunities to leverage my coding skills and contribute to impactful projects. I aim to grow professionally, gain hands-on experience, and continuously learn from industry experts in a dynamic and innovative environment.

EDUCATION

Degree/ Examination	Board	Institution	Year of Passing	Percentage/ CGPA
B.Tech(CSE)	MAKAUT	Bengal College of Engineering and Technology , Durgapur	2022 - 2026	7.5 (till 2nd year)
AISSCE (class 12)	CBSE	Maharshi Vidya Mandir Senior Secondary School, Guwahati	2022	83%
AISSE (class 10)	CBSE	Maharshi Vidya Mandir Senior Secondary School, Guwahati	2020	94%

TECHNICAL SKILLS

- Programming Languages : Python, JavaScript, Java, C
- Web Development : HTML, CSS, JavaScript, BootStrap, Tailwind CSS, React, Node.js, Express.js, Flask, FastAPI
- Databases : MongoDB, MySQL

PROJECTS

- **MyNotebook** is a cloud-based platform developed using the **MERN** stack (MongoDB, Express.js, React, Node.js) for managing notes, to-do lists, and email reminders. It features real-time cloud storage, task management, and a responsive user interface. As a Full-Stack Developer, I built the front-end with React, developed back-end APIs using Node.js and Express, and integrated MongoDB for data storage and email reminder functionality.
- For my **Class 12 project**, I developed the **Health Wings Hospital Management System** using **Python**, **TkInter**, **Pandas**, and **CSV**. This GUI-based application efficiently manages bed bookings and patient records, featuring a user-friendly interface created with TkInter. I implemented CSV for data storage and utilized Pandas for streamlined data manipulation, automating patient record handling and bed allocation processes.
- A **personal portfolio website**, hosted on Netlify, is a simple and responsive showcase of my projects, skills, education, experience, and contact information. Built with **React.js**, **Node.js**, and **Tailwind CSS**, it features a clean and modern design.

ONGOING PROJECTS

- "**DOST**" is a **personal voice assistant application** for Windows, developed with **Python** and **PyQt6**. It enhances productivity by automating tasks such as app launching, settings adjustment, news fetching, and music playback using voice commands. Its key features include voice recognition, customization options, and a compact widget form. Technologies used include **Python**, **PyQt6**, **pvporcupine**, **Google Speech Recognition**, **pyttsx3**, **NLTK**, **pyautogui**, **Gemini-1.5-Flash API**, and **FastAPI**. The app features a **user-friendly GUI**, integrates speech and text commands, and is distributed as an executable with an installer. A central server handles user management and real-time updates, supported by a **website** for app information and account management.
- "**CoordiName**" is an app that converts any location on Earth into a unique combination of four common English words, like "**quakier-delivery-take-scientific**" for latitude 26.1779 and longitude 91.7608, with **1/4th-second precision**. The interactive React.js frontend allows users to explore the map, search locations, and convert between latlong and CoordiName. Users can generate sharable links for specific locations and add public notes to any CoordiName. The app includes an API for converting latlong to CoordiName and vice versa, along with features like geocoding, reverse geocoding, and timezone data. The backend, built with **FastAPI**, connects to a **MongoDB** database, forming a **FARM** stack (**FastAPI**, **React**, **MongoDB**). It also supports user authentication via **Google SignIn**, enhancing personalization and security.

EXTRACURRICULAR ACTIVITIES

- **Organiser at Code Vision BCET** - August 2024 - Present
  At Code Vision, Bengal College of Engineering & Technology (BCET), Durgapur, I serve as a Organiser. My role involves organizing a variety of coding events, workshops, and seminars to foster a strong coding environment among the student body.
- **Coordinater at EDC BCET** - April 2023 - Present
  I am currently working as a Coordinater at Entrepreneurship Development Cell, Bengal College of Engineering & Technology (BCET), Durgapur. I take part in organizing various events, workshops, and seminars to promote entrepreneurship and innovation among students.

CERTIFICATIONS

- **Google AI-ML Virtual Internship**
- **The Complete JavaScript Course 2023: From Zero to Expert!**

ACHIEVEMENTS

- **2nd in CODE OF DUTY and 3rd in CODE ERROR**
  I secured 2nd position in CODE OF DUTY and 3rd position in CODE ERROR at the CYBERVERSE 2024 event, organized by the Cybercell Club of BCET.
- **2nd in CODEJAM HACKATHON**
  Our team, Edgerunners, secured 2nd place in the CODEJAM HACKATHON organized by the CODE VISION Club of BCET.

LANGUAGES

English, Hindi, Bengali, Assamese

HOBBIES AND INTERESTS

Coding | DIYs | Gaming | Watching Anime